

AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-18 (cancelled)

Claim 19 (currently amended): A method for alleviating or protecting against the symptoms of a neurological medical disorder involving accelerated rates of apoptosis ~~or necrosis~~ in a mammalian body, which method comprises (a) selecting a patient having or suspected of having a neurological medical disorder mediated by accelerated rates of apoptosis ~~selected from the group consisting of Parkinson's disease, senile dementia and Alzheimer's disease~~; (b) reacting an aliquot of blood from the mammalian body *ex vivo* with at least one stressor selected from the group consisting of a temperature above or below body temperature, ultraviolet light and an oxidative environment; and (c) administering the aliquot of blood treated in step (b) to the mammalian body; thereby reducing the rate of or susceptibility to apoptosis ~~or necrosis of tissues and organs~~.

Claim 20 (previously presented): The method of claim 19 wherein the aliquot of blood has a volume from about 0.1 - 100 ml.

Claim 21 (previously presented): The method of claim 20 wherein said at least one stressor is a temperature in the range from about -5° to 55°C.

Claim 22 (previously presented): The method of claim 20 wherein said at least one stressor is a temperature in the range of from about 40° to 50°C.

Claim 23 (amended): The method of claim 20 wherein said at least ~~ones~~ one stressor is an oxidative environment comprising a mixture of ozone and medical grade oxygen, bubbled through the blood aliquot.

Claim 24 (amended): The method of claim 23 wherein the gaseous mixture has an ozone content of from about ~~100-100~~ 10-100 µg per ml.

Claim 25 (previously presented): The method of claim 20 wherein said at least one stressor is ultraviolet light in the UV-C band wavelength.

Claim 26 (previously presented): The method of claim 20 wherein all three stressors are applied to the aliquot simultaneously.

Claim 27 (previously presented): The method of claim 26 wherein said stressors are applied for a period of time from 0.5 to 60 minutes.

Claim 28 (previously presented): The method of claim 27 wherein the time is from about 2 to 5 minutes.